

METHOD AND SYSTEM FOR POINT SOURCE ILLUMINATION AND LIGHT
DETECTION IN DIGITAL FILM PROCESSING

ABSTRACT OF THE DISCLOSURE

One aspect of the invention is a system for digital film processing. A point light source, such as a laser, directs light onto film coated with a processing solution. Light from the film is measured to produce sensor data that corresponds to the colors in the film. The sensor data is used to construct a digital image corresponding to an image recorded on the film. Another aspect of the invention is a shaped collector that focuses light from the film to a focal point within the shaped collector.